SESC Plan Inspection Report

Project Information			
Name	[redacted] Former Ciba-Geigy Facility		
Location	180 Mill St, Cranston, RI (Plat 4, Lot 1102)		
DEM Permit No.	18-0048 / RIR101724		
Site Owner	Name: Joseph Guarnaccia	Phone: 973-245-5269	Email: joseph.guarnaccia@basf.com
Site Operator	Name: Jason Oliver	Phone:	Email:

Inspection Information			
Inspector Name	Name: Aaron C. Ting	Phone: 978-577-7188	Email: ating@aeiconsultants.com
Inspection Date	9/18/19	Start/End Time: 07:00/07:30	

Inspection Type
☑ Weekly ☐ Pre-storm event ☐ During storm event ☐ Post-storm event ☐ Other

Weather Information

Last Rain Event Date: N/A Duration (hrs): N/A Approximate Rainfall (in): N/A

Rain Gauge Location & Source: Theodore Francis Green State Airport RI

Weather at time of this inspection: 55° Sunny

Check statement that applies then sign and date below:

☑ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

	Print Name	Signature	Date
Inspector:	Joseph Drebaum	Joseph D Drebaum	9/18/19

The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.

	Print Name	Signature	Date
Operator:	JASON OLIVIER	[signature]	9-18-19

PROJECT: 180 Mill St Cranston RI **INSPECTION DATE:** 9/18/19

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.
FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction site exit includ. decon. pad	RIDOT Std Specs. RI Soil Erosion and Sed. control book	☐Yes ☑No		No impacted soils being brought on or off site. site cap in place
2	Project-wide including material stockpiles	Perimeter - compost filter socks (RIDOT 9.2.0, Stockpiles_hay/bales RIDOT Std Spec - 204, 212	☐Yes ☐No		no stockpiles. filter socks being maintained along riverway until restoration complete
3	Project-wide including material stockpiles	RI SESC Handbook Water for dust control/cover stockpiles RIDOT Std spec RI SESC Handbook	☐Yes ☐No		Cap in place no stock piles on site
4	Adjacent roads	Roads adjacent to construction site shall be clean at the end of each day	☐Yes ☐No		roads kept clean by crushed rock pad, no soil loads leaving site
5	Project-wide	Pickup construction trash/debris	☐Yes ☐No		Good housekeeping measures Each day
6	Project-wide	Spill prevention / Spill containment measures	☐Yes ☐No		spill containment materials onsite if needed in conex Box
7			☐Yes ☐No		
8			☐Yes ☐No		

PROJECT: 180 Mill St Cranston RI **INSPECTION DATE:** 9/18/19

General Site Issues

*Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.*

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	☑Yes ☐No ☐ N/A		
2	Are appropriate limits of disturbance (LOD) established?	☑Yes ☐No ☐ N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	☑Yes ☐No ☐N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	☐Yes ☐No ☑N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	☐Yes ☐No ☑N/A		
6	Were all exposed soils seeded by October 15th?	☐Yes ☐No ☑N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	☐Yes ☐No ☑ N/A		
8	In instances where adequate vegetative stabilization was not established by November 15th, have non-vegetative erosion control measures must be employed?	☐Yes ☐No ☑ N/A		
9	If work is to continue from October 15th through April 15th, are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	☐Yes ☐No ☑ N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	☐Yes ☐No ☑N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	☐Yes ☐No ☑ N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	☐Yes ☐No ☑N/A		

PROJECT: 180 mill St cranston RI **INSPECTION DATE:** 9/18/19

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	☐Yes ☐No ☑ N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	☐Yes ☐No ☑ N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	☐Yes ☐No ☑ N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	☐Yes ☐No ☑ N/A		
17	Is the operator maintaining sediment controls in accordance with the requirements in the *RI SESC Handbook*?	☐Yes ☐No ☑ N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	☐Yes ☐No ☑ N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	☐Yes ☐No ☑ N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	☐Yes ☐No ☑ N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	☐Yes ☐No ☑ N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	☐Yes ☐No ☑ N/A		
23	Are all chemicals being managed in accordance with Appendix J of the *RISESC Handbook* and current best management practices?	☐Yes ☐No ☑ N/A		
24	Has the site operator taken steps to **prohibit** the following pollutant discharges on the site?			
a	Contaminated groundwater.	☑Yes ☐No ☐ N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	☐Yes ☐No ☑ N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	☐Yes ☐No ☑ N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	☑Yes ☐No ☐ N/A		
e	Soaps or solvents used in vehicle and equipment washing.	☐Yes ☐No ☑ N/A		
f	Toxic or hazardous substances from a spill or other release.	☐Yes ☐No ☑ N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	☑Yes ☐No ☐ N/A		
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	☐Yes ☐No ☑ N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	☑Yes ☐No ☐ N/A		
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	☐Yes ☐No ☑ N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	☐Yes ☐No ☑ N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	☑Yes ☐No ☐ N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	☐Yes ☐No ☑ N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	☐Yes ☐No ☑ N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	☐Yes ☐No ☑ N/A		

PROJECT: 180 Mill St Cranston RI **INSPECTION DATE:** 9/18/19

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
	exposed to stormwater?			
	Are stockpiles located within the limits of disturbance?	☐Yes ☐No ☐ N/A		
	Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	☐Yes ☐No ☑ N/A		
	Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	☐Yes ☐No ☑ N/A		
	Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	☑Yes ☐No ☐ N/A		
	Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	☐Yes ☐No ☑ N/A		
	Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	☑Yes ☐No ☐ N/A		
	(Other)			

PROJECT: 180 mill st Cranston RI **INSPECTION DATE:** 9/18/19

General Field Comments:

Project: BASF Facility Cranston, RI Date (9.18.19) WED -	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 9.18.19 @ 0600AM		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person:	
Contact phone #	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
9.18.19	JAYSON MEYER	SES	JM
9.18.19	JOHN LEIGHTON	SES	JL
9 18 19	TOMMY CAVANAUGH	ROI	TC
9-18-19	JOE NETHER	SES	JN
9.18.19	Brendan Slaney	SES	BS
9.18.19	A. PIRES	NATIONAL GRID	AP
9/18/19	Joseph Peckham		
9/18/19	Kevin Sweeney	SES	KS
9/18/19	Bob Meddaugh	SES	BM

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date (9.18.19)	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date (9.18.19)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☐	Roll-off Tractor Truck
☑	Excavators	☐	Roll-off containers
☑	Loader	☐	Dump Truck/Triaxle
☑	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☐	Pickup Utility Trucks
☐	Frac Tank	☐	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☑	Other (list) CONTRACTOR

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (9·15·10)	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	**See SES HASP**
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	**See SES HASP**
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic
X		Safety Glasses, ANZI-rated, side shields
	X	Goggles ☐ Chemical ☐ Dust
	X	Faceshield
X		Hearing Protection ☒ Plugs ☐ Muffs
	X	Respirator ☐ Half-mask ☐ Full-face
	X	Dust Mask
	X	Fire Retardant Electrical Clothing
X		Eyewash Station
X		Tyvek Suits
		Other PPE (list)

YES	NO	Item
	X	Rain Suit ☐ Jacket ☐ Pants
	X	Chemical Suit ☐ Jacket ☐ Pants
	X	Personal Fall Protection Equipment
X		Gloves ☒ Chemical ☐ Work
X		Long sleeve shirt and steel toed boots with steel shank
X		Boots ☐ Rubber ☒ Other
	X	Welding Protection
	X	Retrieval System for Confined Spaces
X		Mobile phone or radios
X		Insect repellent, sunscreen
X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X		BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (9-18-19)	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR:		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☐	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☑	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☐	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☑	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☑	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☑	4,5,6	Noise	NA☐ Low☑ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☑	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☑	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☐	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date (9-10-19)	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☑	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☑	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☑	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☑	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
9/18/19	Tommy Cavanaugh	RoI	7:00	2:00
9-18-19	Jason Oliver	SES	6:00	4:00
9-18-19	John Leighton	SES	6:00	4:00
9-18-19	Joe Hefner	SES	6:00	3:05
9-18-19	Braden Sleeper	SES	7:00	3:15
9-18-19	A Pires	National Grid	7:20	7:40
9/18/19	Joseph Drehunn	AEI	7:20	1350
9/18/19	Kevin Sweeney	SES	8:30	315
9/18/19	Bob Maddock	SES	1204	~~1300~~

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Joseph Drebaum
Signature: Joseph D Dre
Date: 9/19/2019

AEI Consultants

Weather: Sunny

Daily Precipitation: 0.0"

Temp: 68/44 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	___	Superintendent	
	1	Foremen	SES
	___	H&S/QA Officer	
	4	Operators	SES
	1	Laborers	SES
	___	Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	___	
	___	
	___	
	7	Total Personnel On Site

Owner/Representative:

AEI Personnel: J. Drebaum 1

Visitors On Site:
Bob Maddock (SES)
~~A. Pires (National Grid) (Digsafe)~~ JD

MAJOR EQUIPMENT:

Skidsteer T590
Mini CAT E35i
Dozer CAT D5K
Roller Dyna PAC 5
United G25 T45 Generator
Loader 470

EQUIPMENT/MATERIALS RECEIVED:

Loam (8 Loads)
Total Quantity = 240 Yards
Concrete (1 load)
Total Quantity = 3 Yards

WORK COMPLETED:

SES Continue to spread loam towards northern side of property and continue working on pedestrian walkways. Pedestrian pathways layed out with fabric and crushed stone. 8 loads (124 Yards) of Loam Material delivered, 1 load concrete (3 yards) delivered. Concrete sewer vault shored up with plywood to prepare for concrete pour. Concrete poured and allowed to set up overnight. Loam spread out towards norht gate, allowing a roadway for material delivery. Material elevation was measured with a laser level and rod. All personell not onsite at start of day, briefed on Health and Safety matters.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature Joseph D Dre

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
9.19.19	JAYSON OLIVER	SES	0600	1730
9.19.19	JOHN LEIGHTON	SES	0600	1730
9 19 19	TOMMY CAVANAUGH	RIL	7:00	1400
9-19-19	Joe Hefner	SES	6:30	2:30
9-19-19	Brendan Sweeney	SES	7:00	2 30
9-19-19	KEVIN SWEENEY	SES	715	1200
9-19-19	Joseph Drelunn	AEI	7 00	17:00

Project: BASF Facility Cranston, RI Date (9.19.19) THURS.	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 9.19.19 0600		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person:	
Contact phone #	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
9.19.19	JASON OLIVER	SES	
9.19.19	JOHN LEIBNITZ	SES	
9.19.19	Tommy CAVANAUGH	RDI	TC
9-19-19	Joe Hefner	SES	
9-19-19	Brendan Storey	SES	
9-19-19	KEVIN SWEENEY	SES	
9-19-19	Joseph Drehmann	REI	

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date (9.19.19)	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date (9-19-19)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☐	Roll-off Tractor Truck
☑	Excavators	☐	Roll-off containers
☑	Loader	☐	Dump Truck/Triaxle
☑	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☐	Pickup Utility Trucks
☐	Frac Tank	☐	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list) COMPACTOR

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (9/19/19)	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X		BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (9.19.19)	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR:		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☐	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☑	Task 4 – Transportation and Disposal of Contaminated Material
☐	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☐	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☑	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☑	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☑	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☑	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☐	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☑	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☑	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☐	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date (9.19.19)	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☑	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☑	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☑	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☑	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☑	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☑	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

Photo 1: Concrete sewer vault with plywood installed to hold poured concrete. (facing north)

Photo4: rip rap trail connecting both rip-rap pads. (facing north).

Photo 2: Concrete sewer vault with plywood installed to hold poured concrete. (facing south).

Photo 5: Southern rip-rap pad adjacent o river (facing south).

Photo 3: Concrete vault after concrete pour. (facing north).

Photo 6: Overall site photo. (facing north).

AEI Consultants

DAILY PROJECT REPORT

AEI Consultants

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Joseph Drebaum
Signature: Joseph D Drebaum
Date: 9/20/2019

Weather: Sunny

Daily Precipitation: 0.0"

Temp: 80/48 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	___	Superintendent	
	1	Foremen	SES
	___	H&S/QA Officer	
	2	Operators	SES
	___	Laborers	
	___	Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	___	
	___	
	___	
	4	Total Personnel On Site

Owner/Representative:

AEI Personnel: J. Drebaum 1

Visitors On Site:
R. Kkowalski AEI

MAJOR EQUIPMENT:

Skidsteer T590
United G25 T45 Generator
Mini CAT E35i
Loader 470
Dozer CAT D5K
Roller Dyna PAC 5

EQUIPMENT/MATERIALS RECEIVED:

Loam (6 Loads)
Total Quantity = 180 Yards

WORK COMPLETED:

SES Continue to spread loam towards northern side of property and continue working on pedestrian walkways. Pedestrian pathways layed out with fabric and crushed stone. 6 loads (180 Yards) of Loam Material delivered. Concrete sewer vault set up and covered with gravel burrow and loam. Loam spread out towards north gate, allowing a roadway for material delivery. Approximately 100 feet of roadway left of loam to spread. walkways and final details across site to be finished up next week. Material elevation was measured with a laser level and rod. All personell not onsite at start of day, briefed on Health and Safety matters.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature Joseph D Drebaum

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

Photo 1: Concrete sewer vault after gravel burrow graded over repair (facing east)

Photo 2: MW 12D located after initially being buried under gravel burrow.

Photo 3: Photo of main gate showing remaining area needing loam layer. (facing east).

AEI Consultants

Project: BASF Facility Cranston, RI Date (9-20-19	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 9-20-19 0600		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: Jason Oliveira	
Contact phone # 802-376-3585	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
9-20-19	Jason Oliveira	SES	JO
9-20-19	Joe Hefner	SES	JH
9-20-19	Bradley Storey	SES	BS
9-20-19	Joseph Drehmann	HEI	JD
9-20-19	Rick Kowalski	HEI	RK

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date (9-20-19)	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date (9-20-19)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☐	Roll-off Tractor Truck
☑	Excavators	☐	Roll-off containers
☑	Loader	☐	Dump Truck/Triaxle
☑	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☐	Pickup Utility Trucks
☐	Frac Tank	☐	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list) Roller Dynapac 5

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (9-20-19)	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM
X		Hardhat (either) ☐ Fiberglass ☒ Plastic
X		Safety Glasses, ANZI-rated, side shields
	X	Goggles ☐ Chemical ☐ Dust
	X	Faceshield
X		Hearing Protection ☒ Plugs ☐ Muffs
	X	Respirator ☐ Half-mask ☐ Full-face
	X	Dust Mask
	X	Fire Retardant Electrical Clothing
X		Eyewash Station
X		Tyvek Suits
		Other PPE (list)

YES	NO	Item
	X	Rain Suit ☐ Jacket ☐ Pants
	X	Chemical Suit ☐ Jacket ☐ Pants
	X	Personal Fall Protection Equipment
X		Gloves ☒ Chemical ☐ Work
X		Long sleeve shirt and steel toed boots with steel shank
X		Boots ☐ Rubber ☒ Other
	X	Welding Protection
	X	Retrieval System for Confined Spaces
X		Mobile phone or radios
X		Insect repellent, sunscreen
X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X		BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (9-20-19)	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR:		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☐	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☑	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☐	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☑	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☐	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☑	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☑	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☑	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☐	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☐	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date (9-20-19)	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☑	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☐	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

STRATEGIC ENVIRONMENTAL SERVICES, INC.
362 Putnam Hill Road
Sutton, Massachusetts 01590
Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 9-20-19
FRIDAY

Project Number: 18-0122

CLIENT / SITE INFORMATION

Name: BASF | BEI

Address: 160 MILL
CRANSTON RI

Contact:

PROJECTS NOTES TOOL BOX SAFETY MEETING. CONTINUE GRADING TOP SOIL ON NORTH SIDE. WORK ON SLOPE ENGES. INSTALL LAST OF WALK WAY

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
JASON OLIVEIRA	SUPER	0500	0600		
JOE HEFNER	F/T				
BRANDON SWENEY	F/T				

SUBCONTRACTORS

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
1	PPE Level: A B C (D)
1	SERVICE TRUCK
1	DOZER D5K
1	EXCAVATOR E35I
1	BOB CAT T590
1	ROLLER DYNAPAC 5
1	LOADER 470
1	OFFICE TRAILER. TEMP TOILET. FENCE. CON X
1	LASER
1	HAND TOOLS
1	ROLL WEED STOP FABRIC

WEATHER OBSERVATIONS

Project Manager's Signature: _____

Client's Signature: _____

BASF INACTIVE SITES	**SAFE WORK PERMIT**	BASF The Chemical Company

Servicing or Maintenance Work Description		
Description of Work: Entering sewer vault to construct concrete supports		
Start Date / Time 9/20/2019 0700		
Location of Work	**BASF Cranston** **180 Mill Street, Cranston, RI**	

Servicing or Maintenance Work Provider Identification	
Company Name Strategic Environmental Services	# personnel 3
Contact Person Ryan Gadoury	# / type vehicles **1/ service truck**
Contact phone # 508-757-7782 ext 119	

This work also requires the use of the permits checked below
☐ CONTRACTOR SAFETY PLAN DOCUMENTS
☐ LOCK, TAG, AND TRY PERMIT
☒ PRE-TASK PLANNING FORM
☒ CONFINED SPACE ENTRY PERMIT

Risks and Hazards Identification Identify the source/s used and include necessary specific information			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
x		Pre-work Inspection of the work site	**Utilities, uneven work surfaces**
	x	MSDS review / includes any 'new' chemicals	
	x	Crane Operations	
	x	Elevated Work	
x		Environmental Conditions	**Confined space, potential hazardous atmosphere**
x		Heavy Powered Mobile Equipment Use	
	x	Language / Communication Difficulties	
x		Materials to be used	**Grout/silica dust**
x		Overhead Work / Rigging	**Loading/unloading items from truck bed**
	x	Special Equipment to be used	
	x	Trenching / Excavation	
	x	Utilities System tie-in / restrictions	
x		Other Risks or Hazards	**Proper lifting technique / pinch points**

Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed			
Need	N/A	Area	**Specific measures that are required**
	x	Access & Egress Plans (People & Equipment)	
	x	Barricades needed	
	x	BASF equipment / materials to be used	
	x	Electrical safety equipment required	
	x	Elevator use	
	x	Emergency Equipment	
	x	Emergency Plans / Emergency Responder	
	x	Fall protection	
x		First Aid / Medical Treatment provisions	**First aid kit**
	x	HOT WORK Procedure requirements	
	x	HVAC System requirements	
	x	LINE-BREAKING procedure requirements	
	x	Scaffolds / decking	
	x	Temporary electrical power	
	x	Temporary Utilities services	
	x	Trench / Excavation Boxes	
x		Other Requirements	**CSE & eye and hand protection during concrete pour**

Safe Work Permit

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☐ MSDS ☐ BASF Knowledge ☒ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM	YES	NO	Item
x		Hardhat (either) ☐ Fiberglass ☐ Plastic		x	Rain Suit ☐ Jacket ☐ Pants
x		Safety Glasses		x	Chemical Suit ☐ Jacket ☐ Pants
	x	Goggles ☐ Chemical ☐ Dust		x	Personal Fall Protection Equipment
	x	Faceshield	x		Gloves ☐ Chemical ☒ Work
	x	Hearing Protection ☐ Plugs ☐ Muffs	x		Safety Shoes
	x	Respirator ☐ Half-mask ☐ Full-face		x	Boots ☐ Rubber ☐ Other
	x	Dust Mask		x	Welding Protection
	x	Fire Retardant Electrical Clothing		x	Retrieval System for Confined Spaces
	x	OTHER PPE			

Training Requirements

Need	N/A	Area
	x	BASF Safety Orientation
	x	MSDS reviews
x		Review of required precautions listed above
x		Review of required PPE listed above
	x	Other training (specify) –

Permit Issuer (PI) Authorization to work	**Permit Acceptor (PA) Agreement / Verification**
☒ Notified all teams of work area	☒ Acknowledge & Agree to listed requirements
☒ Completed review of all sections above	☒ A copy of this SWP will be kept at the work area
☒ Work to start within 2 hours of listed Start Date / Time	☒ I understand written and spoken English and have means to communicate with my employees who cannot
☒ Reviewed requirements with Permit Acceptor	☒ All personnel have been trained in required PPE
	☒ All personnel will be informed of listed requirements
	☒ Safety orientation to be completed as required
PI Signature / Date Joseph D Drew 9/20/19	PA Signature / Date 9/20/19

Permit Issuer (PI) Verification of Completion	**Permit Acceptor (PA) Verification of Completion**
☐ Post-work review of work site okay	☒ Servicing or Maintenance Work activities completed
☐ Equipment / area control returned to BASF	☒ Tools, equipment, materials removed from work site
☐ Reports / other documentation received	☒ All personnel out of work area
☐ Reviewed the noted problem list with provider	☒ Work site as clean as when work started

Problems noted by the servicing or maintenance permit acceptor or those doing the work

Found	Fixed	Left Unfixed	Details
N/A			

PI Signature / Date Joseph D Drew 9/20/19 | PA Signature / Date 9/20/19

Form Approved By/Date:	Sites Manager

COMPANY NAME (performing work): **Strategic Environmental Services**	PROJECT / JOB / TASK (Description): 18-0315/ construction of supports for concrete pour	LOCATION: **BASF Cranston 180 Mill Street, Cranston, RI**	DATE: ~~9/11/2019~~ 9/20/2019
PRE-TASK PLAN (PTP)	SUPERVISOR: Jason Oliver		
Safe Work Permit Number:	CREW SIGN OFF: KEVIN SWEENEY JOE HEFNER BRANDON SCANEY		

SEQUENCE OF TASK / JOB STEPS (Consider Equipment, Tools and Conditions)	**POTENTIAL HAZARDS** (Energy forms – Motion, Chemical, Radiation, Electrical, Gravity, Heat/Cold, Biological, Pressure)	**RECOMMENDED ACTION OR PROCEDURE** (When possible…Eliminate the energy, Control and/or Protect against unwanted contact/release)
Enter sewer vault, construct supports	- **Hazardous atmosphere, structural collapse**	**4-gas meter monitoring, lifeline, tripod, harness, lanyard, hard-hat and PPE**

(Use and attach extra paper if needed, then attach this PTP to Permit for issuance)

STRATEGIC
ENVIRONMENTAL SERVICES

CONFINED SPACE ENTRY PERMIT

ALL COPIES OF PERMIT WILL REMAIN AT JOB SITE UNTIL JOB IS COMPLETED
ONE COPY MUST BE SUBMITTED TO THE HEALTH AND SAFETY SPECIALIST

LOCATION: 160 Mill St Cranston, RI (BASF)

DESCRIPTION OF SPACE: Vault

PURPOSE OF ENTRY: Repair concrete vault

DATE: 9-19-19 **START TIME:** 9:00 am **ENDING TIME:**

SUPERVISOR(S)	# OF CREW	PHONE
Kevin Sweeney	3	774-244-8340

Special Requirements	yes	no		yes	no
Lockout / De-energize		✓	Escape Harness	✓	
Lines Broken / Capped		✓	Tripod Escape Unit		✓
Purge / Flush / Vent	✓		Lifelines	✓	
Ventilation	✓		Fire Extinguishers	✓	
Secure Area	✓		Lighting	✓	
Protective Clothing	✓		Respirator	✓	
S.C.B.A.		✓	Air-line respirator		✓

TEST(S) TO BE TAKEN

Valid for one 8 hr.shift	P.E.L.*	Yes	No	Time 9:30	Time 10:00	Time 10:30	Time 11:00	Time 11:30	Time	Time	Time	Time
% of Oxygen	-19.5% - + 21%	✓		20.0	21.0	20.0	20.0	20.0				
% of L.E.L.*	Any % over 10%		✓	0.00	0.00	0.00	0.00	0.00				
Carbon Monoxide	50 ppm		✓									
Aromatic Hydrocarbon	10 ppm		✓									
Hydrocyanic Acid	10 ppm		✓									
Hydrogen Sulfide	10 ppm		✓									
Sulfur Dioxide	5 ppm		✓									
Ammonia	25 ppm		✓									

NOTE: CONTINUOUS/PERIODIC TESTS SHALL BE ESTABLISHED BEFORE BEGINING JOB.
ANY QUESTIONS PERTAINING TO TEST REQUIREMENTS SHOULD BE DIRECTED TO:

TESTING INSTRUMENTS USED	NAME	TYPE	I.D. NO.
4 Gas Meter	Ventis MX4	4 Gas	

STRATEGIC
ENVIRONMENTAL SERVICES

*** LEL = LOWER EXPLOSION LEVEL**

AUTHORIZED ENTRANTS:	AUTHORIZED ATTENDANTS:	PERMIT AUTHORIZATION
Kevin Sweeney	Joe Heffner	I certify that all actions and conditions necessary for safe entry have been performed.
Brandon Seaney		Name (print): Kevin Sweeney
		Signature:
		Date: 9/20/19 Time: 1200

Permit Closeout and Debrief

Additional Hazards Noted: _____

Entry Supervisor Signature (Closeout Completed)

Date: 9/20/19

Name (print): Kevin Sweeney

FIRE: 911 **AMBULANCE: 911**

RESCUE: Confined Space Rescue to be conducted by SES Employees (Cranston Fire Department to be notified of Confined Space Entry activities prior to entry. In case of emergency, dial 911.

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
9-20-19	JASON OLIVIER	SES	0600	1330
9-20-19	Joe Hefner	SES	600	2:00
9-20-19	Brendan Sicuso	SES	0700	2:00
9-20-19	Joe Drehmm	AET	07:25	14:00
9-20-19	Rick Kowalski	ABI	11:50	13:00

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 9/30/2019

Weather: Sunny

Daily Precipitation: 0.0"

Temp: 51-67 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	1	Superintendent	SES
		Foremen	
		H&S/QA Officer	
		Operators	
	4	Laborers	All Island
		Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	1	Diprete
	3	Geosearch
	2	CEC
	13	Total Personnel On Site

Owner/Representative:

AEI Personnel: A. Ting 1; C. Garvey 1

Visitors On Site:

MAJOR EQUIPMENT:

United G25 T45 Generator
Hydroseed cannon
Power rake

Roll-off Container (for CEC drill cuttings)

EQUIPMENT/MATERIALS RECEIVED:

WORK COMPLETED:

All Island onsite conducting hydroseeding and power raking. Installed New England Conseration Wildlife mix on southern side of property.
Stormwater basins were installed with infiltration basin mix. All Island raked around plants prior to hydroseeding.
The northern property line, according to site plan, was staked by DiPrete Engineering.
CEC/Geosearch continue drilling in the southeast corner of the site.
SES watered plants using hosing and hydrant water.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

Photo 1: All gravel walkways finished with stone dust and rolled with roller. (facing north east).

Photo 2: CEC and New England Geotech onsite drilling on southern side of property adjacent to river (facing south).

Photo 3: Finished pedestrian walkway with plants and trees installed. (north east).

Photo 4: More plants along northern property boundary. (facing north).

Photo 5: Plants along Mill Street. (facing north).

Photo 6: More plantings in middle of site. (facing south).

AEI Consultants

Photo 7: All Island applying hydroseed (north east).

Photo 11: Hydroseed applied to southeastern portion of site (south).

Photo 8: All Island raking before applying hydroseeding (south east).

Photo 12: Hydroseed applied around plants (south east).

Photo 10: Hydroseed applied to infiltration basin (south east).

STRATEGIC ENVIRONMENTAL SERVICES, INC.
362 Putnam Hill Road
Sutton, Massachusetts 01590
Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 9/30/19
Monday

Project Number: 18-0122

CLIENT / SITE INFORMATION

Name: BASF - AET

Address: 160 Mill St
Cranston RI

Contact: Aaron Ting 857-208-6980

PROJECTS NOTES

Performed watering of plants on the site. All Island Landscaping on site today grading and Hydro seeding site.

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
Tim Tarczali	FT	5:30	7:00	3:30	5:00

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
1	PPE Level: A B C (D)
1	Service Truck
3	150' Water hose

SUBCONTRACTORS

4 Workers All Island Landscaping
Equipment used - Hydroseeder, Pump Truck, Skid steer with grader

WEATHER OBSERVATIONS

Sunny 75°

Project Manager's Signature: _____

Client's Signature: _____

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description			
Description of Work: CMI Implementation Project			
Start Date / Time: (Date) (Time) 9/30/19 0700			
Location of Work	180 Mill Street, Cranston, RI		

Strategic Environmental Services, Inc. (SES)		
Primary/Lead Company Name: SES		
Contact Person:		
Contact phone #		

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
9/30/19	Lauren Baldwin	CEC	LB
9/30/19	Chris Skuza	Geosearch	CJS
9-30-19	Rodney Dean	Biosearch	R.D
Sept 30	M. DeAmicis	Geosearch, Inc.	M.D.
9/30/19	A. Tuns	AEI	ACT
9/30/19	C. Garvey	AEI	CG
9/30/19	Shayne Costa	All Island	
9/30/19	Victor Carrico	All Island	
9/30/19	Mark Washington	All Island	
9/30/19	Melvin Pereyra	All Island	
9/30/19	Eric Tammelleo	Dipeke	ET
9/30/19	Glen Cote	CEC, Inc.	
9/30/19	Jim Iuliucci	SES	

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date ( )	**DAILY SAFE WORK FORM**	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☐	Roll-off Tractor Truck
☐	Excavators	☐	Roll-off containers
☐	Loader	☐	Dump Truck/Triaxle
☐	Track Dozer	☐	Dump Trailers
☐	Skid Steer Loader	☑	Pickup Utility Trucks
☐	Frac Tank	☐	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☑	Other (list) Hydroseeder

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	X	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR: Tim		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☐	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☑	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☐	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☐	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☑	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☑	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☑	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☑	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☐	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☑	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☐	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

All personnel given H!S topics. Even those following morning tailgate meeting. Some discussed w/ CEC/Cross-earth

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
9/30/19	Lauren Baldwin	CEC	6:40	16:30
9/30/19	Chris Stamas	Geosearch	7:00	16:00
9/30/19	Tim Tarczali	SES	7:00	15:30
September 30th 2019	M. DEAmicis	GEOSEARCH, INC.	7:00	16:00
9-30-19	Rodney Dean	Geosearch	7:00	1600
9/30/19	A. Ting	AEI	0630	1630
9/30/19	Caitlin Garvey	AEI	7:00	~~12:45~~
9/30/19	Shayne Costa	All Island	8:20	~~3:55~~ 4:00
9/30/19	Victor Carcieri	All Island	8:20	~~3:55~~ 4:00
9/30/19	Marc Washington	All Island	8:20	~~3:55~~ 4:00
9/30/19	Melvin Pereyra	All Island	8:20	~~3:55~~ 4:00
9/30/19	Earle Tamm III	DEA	9:40	1:30
9/30/19	Glen Cote	CEC, Inc	13:00	1630

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Caitlin M. Garvey
Signature:
Date: 10/1/2019

Weather: Overcast

Daily Precipitation: 0.0"

Temp: 66-75°F (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	1	Superintendent	SES
		Foremen	
		H&S/QA Officer	
		Operators	
	4	Laborers	All Island
		Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	3	Geosearch
	1	CEC
	10	Total Personnel On Site

Owner/Representative:

AEI Personnel: C. Garvey 1

Visitors On Site:

MAJOR EQUIPMENT:

United G25 T45 Generator
Hydroseed cannon
John Deere 331G Track Loader (CEC)
Roll-off Container (for CEC drill cuttings)

EQUIPMENT/MATERIALS RECEIVED:

WORK COMPLETED:

All Island onsite conducting hydroseeding and placing mulch around the plants. Installed Wildflower seed mix on the central and northeastern portions of the site. Mulch has been placed around plants. All Island raked around plants prior to hydroseeding.
CEC/Geosearch continue drilling in the southeast corner of the site.
SES cut the conduits on the western portion of site and plan to put caps on them tomorrow morning.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

Photo 1: mulch placed around plants (south facing).

Photo 3: Raking done before hydroseed is applied (north).

Photo 2: Wildflower hydroseed spread, outlining pathway and other seed type in the center of the site (north).

Photo 4: Hydroseed and mulch surrounding plants (south).

AEI Consultants

Photo 5: Hydroseed applied to northern portion of site (north)

Photo 6: Hydroseed applied to western portion of site (west).

AEI Consultants

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description	
Description of Work: CMI Implementation Project	
Start Date / Time: (Date) (Time)	
Location of Work	180 Mill Street, Cranston, RI

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person:	
Contact phone #	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
10/1/19	Lauren Baldwin	CEC	LB
10/1/19	Caitlin Gourvenec	AECOM	CG
October 1st	M. DeAmicis	Groseman, Inc	MD
10-1-19	Rodney Dean	Groseman	RD
10/1/19	Chris Stawicki	Groseman	CS
10-1-19	J Hefner	SES	JH
10/1/19	Marc Washington	All Island	MW
10/1/19	Melvin PeReyra	All Island	MP
10/1/19	Shayne Costa	All Island	SC
10/1/19	Victor Carrion	All Island	VC

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date ( )	**DAILY SAFE WORK FORM**	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☐	Roll-off Tractor Truck
☐	Excavators	☐	Roll-off containers
☑	Loader	☐	Dump Truck/Triaxle
☐	Track Dozer	☐	Dump Trailers
☐	Skid Steer Loader	☑	Pickup Utility Trucks
☐	Frac Tank	☐	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☒	Other (list) Hydroseeder

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	**See SES HASP**
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	**See SES HASP**
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	X	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR: Joe		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☐	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☑	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☐	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☐	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☑	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☑	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☑	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☑	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☐	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☑	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☐	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

All personnel given Health and Safety topics

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
10/1/19	Lauren Baldwin	CEC	6:40	4:30
10/1/19	Caitlin Garvey	AEI	6:40	4:30 ~~10:00~~
Oct 1st "2019"	M. DeAmicis	Geosearch, Inc	7:00	3:30
10-1-19	Rodney Dean	Geosearch	7:00	3:30
10/1/19	Chris Strang	Geosearch	7:00	3:30
10/1/19	J Hefner	SES	7:45	1pm
10/1/19	Marc Washington	All Island	8:50	4:15
10/1/19	Melvin Pereira	All Island	8:50	4:15
10/1/19	Shayne Costa	All Island	9:30	4:20
10/1/19	Victor Gascon	All Island	9:30	4:20
				4:20

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Joseph Drebaum
Signature:
Date: 10/2/2019

Weather: Cloudy

Daily Precipitation 0"

Temp: 76/60 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.	
		Superintendent
		Foremen
		H&S/QA Officer
		Operators
		Laborers
		Other Trades (Surveyor)

SubContractor	No.	Company/Firm
	1	Total Personnel On Site

Owner/Representative:

AEI Personnel: J. Drebaum 1

Visitors On Site:
Lauren Baldwin (CEC)

MAJOR EQUIPMENT:

Roll off container

United G25 T45 Generator

EQUIPMENT/MATERIALS RECEIVED:

WORK COMPLETED:

All planing/hydroseeding activities are complete.
CEC onsite for monitoring of wells in southern part of site.

AEI completed a soil erosion and sediment control plan inspection. No issues noted.

AEI/SES to schedule a full demobilization once punchlist tasks completed.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature _____

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

Photo 1: Drum storage generated from CEC activities. (facing south west).

Photo4: Crushed rock and stone dust pad with CEC installed injection wells. (facing south).

Photo 2: Plantings surrounding retention pond area with hydroseed and mulch (facing west).

Photo 5: plantings and hydroseed along walking path. (facing north west).

Photo 3: Hydroseed showing original areas that were hydroseeded (brown) vs newer hydroseed areas (green). (facing north).

Photo 6: Electrical hand holes for treatment system electronics showing uncovered conduit. (facing south).

AEI Consultants

SESC Plan Inspection Report

Project Information			
Name	[redacted] Former Ciba-Geigy Facility		
Location	180 Mill St, Cranston, RI (Plat 4, Lot 1102)		
DEM Permit No.	18-0048 / RIR101724		
Site Owner	Name: Joseph Guarnaccia	Phone: 973-245-5269	Email: joseph.guarnaccia@basf.com
Site Operator	Name: Ryan Gadoury	Phone: 508-612-2339	Email: rgadoury@strategic-es.com

Inspection Information			
Inspector Name	Name: Aaron C. Ting	Phone: 978-577-7188	Email: ating@aeiconsultants.com
Inspection Date	10/2/19	Start/End Time: 09:30	10:00

Inspection Type
☑ Weekly ☐ Pre-storm event ☐ During storm event ☐ Post-storm event ☐ Other

Weather Information

Last Rain Event Date: 9/24/19 Duration (hrs): 1 hour Approximate Rainfall (in): 0.27

Rain Gauge Location & Source: Theodore Francis Green State Airport RI

Weather at time of this Inspection: Cloudy

Check statement that applies then sign and date below:

☒ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

	Print Name	Signature	Date
Inspector:	Joseph Dreham	Joseph D Dreham	10/2/19

The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.

	Print Name	Signature	Date
Operator:	Ryan Gadoury	Ryan Gadoury	10/2/2019

PROJECT: 180 Mill St Cranston RI **INSPECTION DATE:** 10/2/19

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.

FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction site exit includ. decon. pad	RIDOT Std Specs. RI Soil Erosion and Sed. control book	☐Yes ☑No		no decon pad site restoration complete
2	Project-wide including material stockpiles	Perimeter - compost filter socks (RIDOT 9.2.0 Stockpiles_bal/bales RIDOT Std Spec - 206.212	☑Yes ☐No		no stock piles Filter socks in place along river and N+S property boundaries
3	Project-wide including material stockpiles	RI SESC Handbook Water for dust control/cover stockpiles RIDOT Std spec RI SESC Handbook	☐Yes ☑No		Site restoration complete
4	Adjacent roads	Roads adjacent to construction site shall be clean at the end of each day	☑Yes ☐No		No vehicles on or off, site restoration Complete
5	Project-wide	Pickup construction trash/debris	☑Yes ☐No		site restoration complete Demob activities finishing up
6	Project-wide	Spill prevention / Spill containment measures	☑Yes ☐No		site restoration complete
7			☐Yes ☐No		
8			☐Yes ☐No		

PROJECT: 186 Mill ST Cranston RI **INSPECTION DATE:** 10/2/19

General Site Issues

*Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.*

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	☑Yes ☐No ☐ N/A		
2	Are appropriate limits of disturbance (LOD) established?	☑Yes ☐No ☐ N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	☐Yes ☐No ☑N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	☐Yes ☐No ☑N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	☐Yes ☐No ☑N/A		
6	Were all exposed soils seeded by October 15th?	☑Yes ☐No ☐ N/A		Seed emplaced by 10/1.
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	☑Yes ☐No ☐ N/A		Hydro seed and filter socks in place
8	In instances where adequate vegetative stabilization was not established by November 15th, have non-vegetative erosion control measures must be employed?	☐Yes ☐No ☑N/A		
9	If work is to continue from October 15th through April 15th, are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	☐Yes ☐No ☑N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	☐Yes ☐No ☑N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	☐Yes ☐No ☑N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	☐Yes ☐No ☑N/A		

PROJECT: 180 Mill St Cranston RI **INSPECTION DATE:** 10/2/19

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	☐Yes ☐No ☑N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	☐Yes ☐No ☑N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	☐Yes ☐No ☑N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	☐Yes ☐No ☑N/A		
17	Is the operator maintaining sediment controls in accordance with the requirements in the *RI SESC Handbook*?	☐Yes ☐No ☑N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	☐Yes ☐No ☑N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	☐Yes ☐No ☑N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	☐Yes ☐No ☑N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	☐Yes ☐No ☑N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	☐Yes ☐No ☑N/A		
23	Are all chemicals being managed in accordance with Appendix J of the *RISESC Handbook* and current best management practices?	☐Yes ☐No ☑N/A		
24	Has the site operator taken steps to **prohibit** the following pollutant discharges on the site?			
a	Contaminated groundwater.	☐Yes ☐No ☑N/A		

PROJECT: 180 mill st Cranston RI INSPECTION DATE: 10/2/19

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	☐Yes ☐No ☑N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	☐Yes ☐No ☑N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	☐Yes ☐No ☑N/A		
e	Soaps or solvents used in vehicle and equipment washing.	☐Yes ☐No ☑N/A		
f	Toxic or hazardous substances from a spill or other release.	☐Yes ☐No ☑N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	☐Yes ☐No ☑N/A		
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	☐Yes ☐No ☑N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	☐Yes ☐No ☑N/A		
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	☐Yes ☐No ☑N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	☐Yes ☐No ☑N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	☐Yes ☐No ☑N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	☐Yes ☐No ☑N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	☐Yes ☐No ☑N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	☐Yes ☐No ☑N/A		

PROJECT: 180 Mill St Cranston RI **INSPECTION DATE:** 10/2/19

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
	exposed to stormwater?			
	Are stockpiles located within the limits of disturbance?	☐Yes ☐No ☑N/A		
	Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	☐Yes ☐No ☑N/A		
	Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	☐Yes ☐No ☑N/A		
	Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	☐Yes ☐No ☑N/A		
	Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	☐Yes ☐No ☑N/A		
	Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	☐Yes ☐No ☑N/A		
	(Other)			

PROJECT: 198 Mill St Cranston RI **INSPECTION DATE:** 10/2/19

General Field Comments:

Photos:

Photo #: 1	Station: Northern side of site
 (insert Photo here)	Description: Staked CFS along eastern property boundary adjacent to Pawtuxet River.

Photo #: 2	Station:
	Description: Staked CFS along eastern property boundary; adjacent to river

Photo #: 3	Station:
	Description: Staked CFS along eastern property boundary; adjacent to Pawtuxet river

Photo #: 4	Station:
 (insert Photo here)	Description: CFS not replaced in active work area where CEC performing drilling and monitoring activities

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Richard Kowalski
Signature:
Date: 11/22/19

AEI Consultants

Weather: Light Rain

Daily Precipitation: < .25"

Temp: 40-52 F (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	___	Superintendent	
	1	Foremen	SES
	___	H&S/QA Officer	
	___	Operators	
	___	Laborers	
	___	Other Trades	

SubContractor	No.	Company/Firm
	6	KCI Paving
	___	
	___	
	8	total

Owner/Representative:

AEI Personnel: R Kowalski 1

Visitors On Site:

MAJOR EQUIPMENT:

Dump truck, mini excavator, mobile compactor

EQUIPMENT/MATERIALS RECEIVED:

4.5 tons of hot asphalt

WORK COMPLETED:

SES's subcontrator KCI Paving prepared the damaged asphalt area to remove broken ashphalt and saw cut the edges. Hot asphalt was spread across the prepared area using wheel barrows and rakes and compacted with a portable vibratory compactor. The temporary fence was re-arranged and an extra panel was added to extend the fence out across the repaired area to protect the asphalt from truck traffic until the pavement cures.

HEALTH & SAFETY:

Morning tailgate meeting to discuss safety topics, which included: use of hard hats, safety vests, traffic on Mill Street, hand protection, location of AEI HASP. AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today and verifies, by signing below that these documents comply with the procedures and content of SES's HASP.

AEI Signature:

ISSUES/CHANGES/RESOLUTIONS:

None

DISCUSSIONS/CLIENT DIRECTION:

None

Photo 1: SES/KCI restoring the sub-base prior to emplacing new asphalt in area designated for repair (facing south).

Photo 3: Overview of newly installed asphalt (facing south).

Photo 2: Repaired asphalt pavement. SES/AEI adjusting temporary fence to protect newly installed asphalt (facing north).

AEI Consultants

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 11/22/19 [redacted] 1030		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: Ryan Gradzki	
Contact phone # 508-612-2339	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
11/22/19	Ryan Gradzki	SES	RG
11/22/19	Steven J Fennessy	KCI	SF
11/22/19	Robinson Dos	KCI	[redacted]
11/22/19	Dany Sanchez	KCI	
11/22/19	Pranay Tamirisa	KCI	
11/22/19	Edmilson Rodrigues	KCI	ER
11/22/19	Jason Cabral	KCI	JC
11/22/19	Rick Kowalski	AEI	

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☐	Field Service Trailer	☐	Roll-off Tractor Truck
☒	Excavators	☐	Roll-off containers
☐	Loader	☒	Dump Truck/Triaxle
☐	Track Dozer	☐	Dump Trailers
☐	Skid Steer Loader	☒	Pickup Utility Trucks
☐	Frac Tank	☐	Sump Pump
☐	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☒	Other (list) portable compactor

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**
Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	
	X	Scaffolds / decking	
X		Temporary electrical power	**See SES HASP**
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	**See SES HASP**

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		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
~~X~~	X	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE 11/22/19
PRE-TASK PLAN (PTP)	SES SUPERVISOR: Ryan Gradacky		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☐	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☐	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☒	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☐	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☐	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☒	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☐	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☒	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☒	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☒	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5

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Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	**Task Number(s)**	**Hazards**	**Relative Hazard /Risk Rating***	**Hazard Controls Mechanism and/or JSA (See HASP)**
☐	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)
☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☑	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☐	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

Personnel who arrived after morning tailgate meeting were informed of H&S procedures, HASP and daily tasks.

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

Former Ciba-Geigy Facility
180 Mill Street, Cranston, Rhode Island
Plat 4, Lot 1102

Daily Sign-In Sheet

Name	Company	Time In	Time Out
Ryan Gadowsky	SES	9:30 am	2:40 pm
Steve Fennessy	KCI	9 30 am	225 PM
Robinson Donis	KCI	1:00 Pm	2:25 PM
Dany Sánchez	KCI	1:00 Pm	2:25
[illegible]	KCI	10:30	2 25 pm
Edmilson Rodrigues	KCI	10:30	2:25 PM
[illegible]	KCI	2:00	2:25
[illegible] Kowalski	ABI	1:20	2:40

APPENDIX C

Photographic Documentation

Photo 1: SES clearing site using skid steer with brush hog attachment (facing southeast).

Photo 2: Performing decontamination of brush hog attachment and skid steer tires (facing southeast).

Photo 3: Survey and staking of excavation areas. Flagging color designates soil types (orange = non-TSCA soils) (facing north).

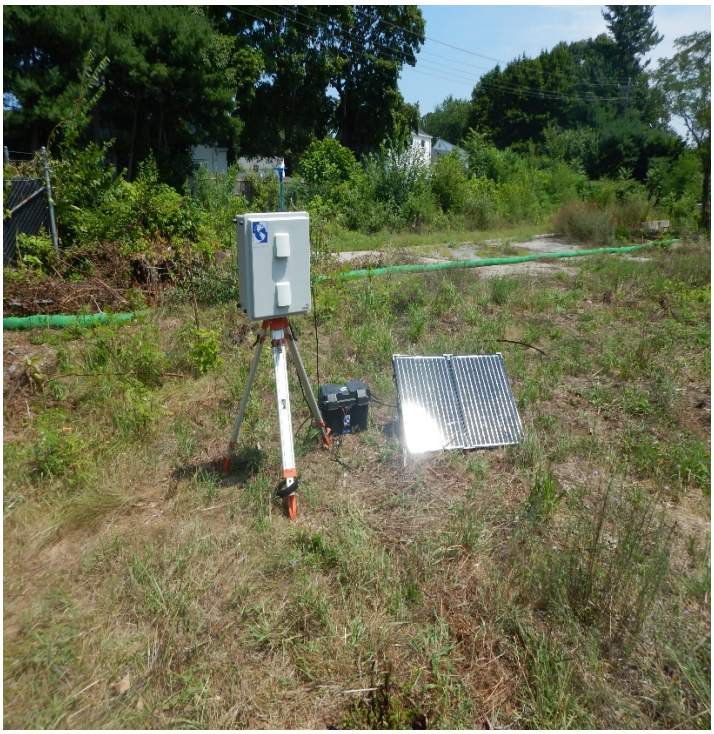

Photo 4: Perimeter air monitoring equipment utilized during entire course of work (facing northeast).

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Photo 5: Totalizing weather station used to collect temperature, wind, and rainfall data (facing southwest).

Photo 6: Silt fence installed along the riverway (facing northeast).

Photo 7: Compost filter sock installed along the perimeter boundary between the site and Safety Kleen (facing west).

Photo 8: Trash receptacles for containing construction solid waste and project recyclable materials (facing southwest).

Photo 9: SES assisting New England Geotech with removal of monitoring wells (facing south).

Photo 11: Clearing trees and large shrubs along the Mill Street property boundary using CAT 321C excavator (facing northwest).

Photo 10: Former monitoring well location filled with bentonite grout to the surface in accordance with RI monitoring well decommissioning standards (facing northwest).

Photo 12: Temporary stockpile area for non-TSCA soils prepared on Lot 1102 (facing north).

Photo 13: Clearing of Lot 2682 (across street from site) to prepare laydown and stockpile area for TSCA soils (facing west).

Photo 14: SES preparing stockpile laydown area and loading zone for TSCA soils (facing west).

Photo 15: Construction entrance leading to asphalt pavement. Stone underlain with filter fabric (facing west).

Photo 16: Decontamination pad constructed of stone overlaying impermeable liner and surrounded by straw wattle (facing southwest).

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Photo 17: Removing chain link fence along property boundary. Metal from fence was added to metal recycling stockpile (facing northwest).

Photo 18: Installed temporary chain link fencing along Mill Street property boundary (facing north).

Photo 19: SES excavating soils and loading into loader bucket for transport to the soil stockpile areas. Poly sheeting placed beneath loader bucket to capture falling soils (facing northwest).

Photo 20: Excavating soils along the Mill Street property boundary. SES using water to suppress dust generation (facing south).

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Photo 21: Numerous large concrete structures, foundation walls and slabs encountered (facing southeast).

Photo 23: SES excavating PCB-impacted soils located in the FEMA floodway (facing south).

Photo 22: Large, approx. 24-inch diameter pipe, presumed to be part of the former facility stormwater drainage system. Pipe was left in place (facing south).

Photo 24: Covered non-TSCA soils awaiting off-site transport to RIRRC in Johnston, RI (facing northeast).

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Photo 25: SES managing TSCA soil stockpile on Lot 2682 (facing west).

Photo 27: SES loading cleared debris into trailer for transport to the G. Lopes facility in Raynham, MA (facing north).

Photo 26: SES excavating and hammering concrete in deep excavation (facing west).

Photo 28: AEI preparing to collect PCB samples from excavator bucket (facing northwest).

Photo 29: AEI collecting concrete samples post excavation (facing northeast).

Photo 30: Managing open excavations using orange safety fencing and caution tape (facing southwest).

Photo 31: Dewatering deep excavation using trash pumps; water being transferred via hosing to filtration/carbon system and frac tanks (facing west).

Photo 32: Microfiltration units (facing southeast).

Photo 33: Carbon system treating water stored in frac tanks [background] (facing north).

Photo 34: Treated groundwater being transported offsite by JP Noonan to the Global facility in Taunton, MA.

Photo 35: New England Geotech coring through concrete prior to geoprobing to sample the floodway area for characterization to RIDEM remediation standards (facing east).

Photo 36: Test pit conducted in floodway to characterize soils to RIDEM remediation standards (facing south).

Photo 37: Boring location that could not be test pitted via excavator due to shallow concrete (facing east).

Photo 39: Large quantities of debris, i.e., rebar, concrete, brick and steel in excavations (facing west).

Photo 38: Excavating impacted soils from floodway that exceeded the RIDEM remediation standards. Soil were utilized as onsite backfill (facing northeast).

Photo 40: Large concrete structures uncovered while excavating in the FEMA floodway (facing northeast).

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Photo 41: Brick lined vault located in the central portion of the site. Vault terminated on concrete, which was subsequently removed to access soil beneath (facing west).

Photo 42: Excavating a deep excavation in the north central portion of the site. Deep excavation terminated on a concrete slab (facing south).

Photo 43: SES segregating debris from soil using screener (facing north).

Photo 44: SES loading trailers with non-TSCA soils (facing northeast).

Photo 45: Excavation designated for re-digging due to post excavation samples above the MPS (facing west).

Photo 47: Deadman located within TP-5 excavation. Note steel bars that are pinned presumably into the steel sheeting along the riverway (facing south).

Photo 46: TP-5 excavation after heavy rainfall. Water depth is approximately 6-7 feet bgs (facing east).

Photo 48: TP-5 excavation being dewatered using two trash pumps. SES attempting to remove soils behind deadman (facing southeast).

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Photo 49: TP-5 being dewatering using 6-inch pump (facing east).

Photo 51: Groundwater being transferred to one of the 50,000 gallon frac tanks for storage prior to treatment (facing west).

Photo 50: Three 50,000 gallon frac tanks to dewater TP-5 (facing west).

Photo 52: SES redigging TP-5 following dewatering efforts (facing east).

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Photo 53: SES continuing to redig TP-5 to a target depth of 15-feet bgs (facing southwest).

Photo 55: SES breaking concrete structures located in the "wedge" cut along the property boundary (facing southwest).

Photo 54: Following removal of soils and post excavation sampling, SES commences backfilling of excavation using imported compliant soils (facing southwest).

Photo 56: Concrete structures encountered on the northeast side of the property in the Floodway. Water contained inside the structure is rainwater (facing northeast).

Photo 57: SES loading lined railcars with TSCA soils (facing northeast).

Photo 59: SES removing soil following concrete removal to prepare the “wedge” cut (facing west).

Photo 58: SES sawcutting concrete so “wedge” cut along property boundary can be installed (facing northeast).

Photo 60: Uncovered catch basin located in floodway. Catch basin was left in place and soils removed around it (facing east).

Photo 61: SES attempting to uncover the former septic tank. Was not located (facing west).

Photo 63: AEI monitoring air via PID around the excavation during SWMU-11 excavation (facing north).

Photo 62: SWMU-11 excavation. All personnel in Level C. SES spraying Biosolve (odor suppressant) during work (facing southeast).

Photo 64: SES advancing SWMU-11 to groundwater table [6-feet bgs] (facing north).

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Photo 65: LRT mixing sodium persulfate to mix into open excavation (facing west).

Photo 67: SES mixing sodium persulfate into groundwater using excavator bucket (facing north).

Photo 66: Injecting sodium persulfate (facing northwest).

Photo 68: SWMU-8 advanced to target depth [7-feet bgs] (facing northeast).

Photo 69: SES removing PCB-impacted soils from an excavation adjacent to TP-5. Excavation required extensive dewatering and depth (facing southwest).

Photo 70: Geotextile fabric being delivered (facing west).

Photo 71: SES emplacing impermeable liner (facing west).

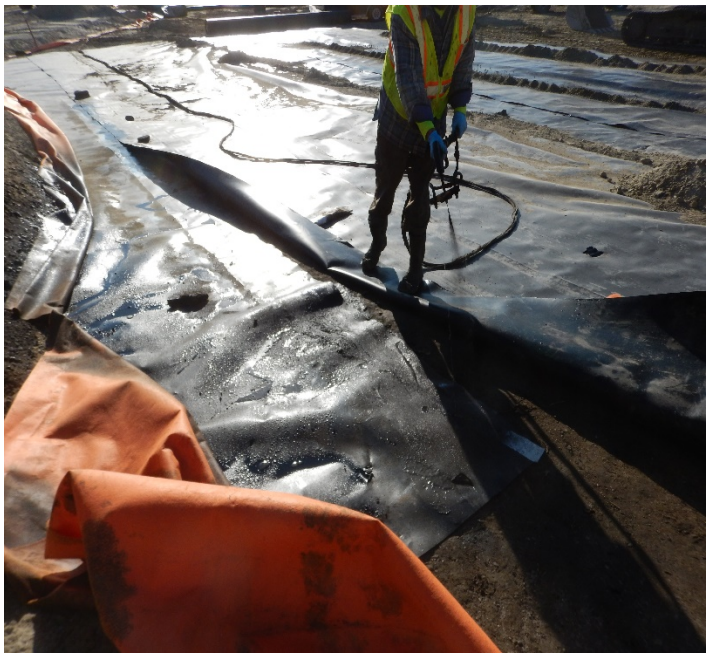

Photo 72: SES adjoining separate impermeable liner panels using an asphaltic spray (facing southwest).

Photo 73: Closeup of sealed impermeable liner panels (facing west).

Photo 75: Uncovered manhole filled with water when excavating near floodway. Manhole was recovered and secured (facing east).

Photo 74: Large Tree being removed via crane by Warwick Tree (facing north).

Photo 76: SES emplacing geotextile fabric (facing east).

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Photo 77: SES emplacing processed gravel over geotextile fabric (facing west).

Photo 79: SES compacting processed gravel using vibratory roller (facing southwest).

Photo 78: SES grading processed gravel over geotextile fabric (facing east).

Photo 80: SES beginning process of decontaminating operating equipment and frac tanks (facing west).

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